

Exhibit 300: Capital Asset Summary

Part I: Summary Information And Justification (All Capital Assets)

Section A: Overview & Summary Information

Date Investment First Submitted: 2009-06-30
Date of Last Change to Activities: 2012-08-28
Investment Auto Submission Date: 2012-02-29
Date of Last Investment Detail Update: 2012-04-25
Date of Last Exhibit 300A Update: 2012-04-25
Date of Last Revision: 2012-08-28

Agency: 020 - Environmental Protection Agency **Bureau:** 00 - Agency-Wide Activity

Investment Part Code: 01

Investment Category: 00 - Agency Investments

1. Name of this Investment: SEMS - Superfund Enterprise Management System

2. Unique Investment Identifier (UII): 020-000013015

Section B: Investment Detail

- 1. Provide a brief summary of the investment, including a brief description of the related benefit to the mission delivery and management support areas, and the primary beneficiary(ies) of the investment. Include an explanation of any dependencies between this investment and other investments.**

SEMS will replace three legacy Superfund systems: CERCLIS, SDMS and ICTS, and an assortment of small applications, integrating the appropriate functions into one consolidated system. The solution will leverage the strengths of these systems while eliminating duplicative features. SEMS is intended to provide repositories of, or access to a variety of program data, including many key Superfund records. The system will serve as a nexus linking OSWER data to systems in other program offices, such as EPA's Office of Emergency Management's Portal, the Office of Enforcement and Compliance Assurance, and the Office of Environmental Information. SEMS also exports data into formats usable by the U.S. Departments of Justice, and the National Archives and Records Administration. The major phases of the project are integrating ICTS into SDMS, which was completed in 2008; merging SDMS into the SEMS framework, which was completed in 2011; and finally, the modernization and integration of the CERCLIS application into the SEMS framework in 2012-2013. The customers of SEMS or SEMS data are five EPA Headquarters offices and regional staff, citizens, the regulated community, other Federal agencies, States, Tribes, local agencies, and industry. SEMS stakeholders are States, Congress, other Federal agencies, industry groups, and citizens. The informal partnerships established with Federal, State, local government, and industry groups are key to the reliability and tracking of environmental cleanup data and ultimate protection of human health and the environment.

2. How does this investment close in part or in whole any identified performance gap in support of the mission delivery and management support areas? Include an assessment of the program impact if this investment isn't fully funded.

SEMS is replacing three legacy Superfund systems: CERCLIS, SDMS and ICTS, and an assortment of small applications, integrating the appropriate functions into one consolidated system. The solution will leverage the strengths of these systems while eliminating duplicative features. SEMS is intended to provide repositories of, or access to, a variety of program data, including many key Superfund records. The system will serve as a nexus linking OSWER data to systems in other program offices, such as EPA's Office of Emergency Management's Portal, the Office of Enforcement and Compliance Assurance, and the Office of Environmental Information. SEMS also formats data into formats usable by the U.S. Departments of Justice, and the National Archives and Records Administration. SEMS provides better service to citizens by establishing information management controls, cross-platform search functionalities, and efficient content delivery. SEMS supports EPA Goal 3: Cleaning up Communities and Advancing Sustainable Development by serving as the system that enables EPA to use innovative waste management practices and cleaning up contaminated properties to reduce risks posed by releases of harmful substances. SEMS supports EPA Goal 5: Enforcing Environmental Laws through ensuring compliance with environmental requirements by enforcing environmental statutes, preventing pollution, and promoting environmental stewardship. Any reduction to SEMS funding will impact the system's development efforts and release schedule. Roughly half of SEMS budget over the next two years is for O&M. The impact of any funding reduction must be absorbed within the development portion of the budget. A minimal funding reduction of 10% will result in up to a one-year delay in the final cut over to SEMS, now planned for FY13. A 25% funding reduction has magnified consequences, with very limited development occurring. A 40% funding reduction will result in cessation of all development an indefinite schedule delay with final cut over unknown. In any funding reduction scenario, the deployment risk is increased by pushing planned, incremental releases to the final release as dependencies between releases are impacted. Finally, any funding reduction and resulting schedule delay impacts the ability of SEMS users to benefit from the recognized improvements SEMS will bring to existing Superfund business operations.

3. Provide a list of this investment's accomplishments in the prior year (PY), including projects or useful components/project segments completed, new functionality added, or operational efficiency achieved.

The Superfund Document Management System (SDMS) continued to merge into SEMS with continuous integration throughout FY2011, completing the second significant integration after the previous year's ICTS incorporation. Release 1 developed and code deployed to production in December live connections between CERCLIS basic site data and SDMS. Primavera and associated Oracle COTS technologies selected as SEMS core platform; Primavera /Oracle acquisition completed. SIMWG met in January to define communication strategy for SEMS Release 3, and again in August to define same for Release 4. Release 2 requirements definition completed in February. Project Framework milestone closed ahead of schedule on June 1, 2011. Framework Integration milestone closed on schedule on June 30, 2011. Release 2 milestone closed on schedule on June 30, 2011. Development environment transferred from development contractor into EPA's National Computer Center.

4. Provide a list of planned accomplishments for current year (CY) and budget year (BY).

Current Year 2012 planned accomplishments, by release, are as follows: Release 3 (Response Actions, Phase I): Baseline requirements, design, develop, test, and deploy to staging Release 4 (Response Actions, Phase II): Baseline requirements, design, develop, test, and deploy to staging Release 5 (Post-Construction): Baseline requirements Release 6 (Program Management): Begin requirements collection and analysis Budget Year 2013 planned accomplishments, by release, are as follows: Release 5 (Post-Construction): Design, develop, test, and deploy to staging Release 6 (Program Management): Baseline requirements, design, develop, test, and deploy to production In addition, both the current year and budget year will involve ongoing activities in support of the SEMS content architecture such as plans, process models and document templates. Also, ongoing system operations and maintenance activities will occur throughout both years.

5. Provide the date of the Charter establishing the required Integrated Program Team (IPT) for this investment. An IPT must always include, but is not limited to: a qualified fully-dedicated IT program manager, a contract specialist, an information technology specialist, a security specialist and a business process owner before OMB will approve this program investment budget. IT Program Manager, Business Process Owner and Contract Specialist must be Government Employees.

2011-09-02

Section C: Summary of Funding (Budget Authority for Capital Assets)

1.

Table I.C.1 Summary of Funding

	PY-1 & Prior	PY 2011	CY 2012	BY 2013
Planning Costs:	\$2.5	\$0.6	\$0.6	\$0.0
DME (Excluding Planning) Costs:	\$7.2	\$3.6	\$3.5	\$3.4
DME (Including Planning) Govt. FTEs:	\$0.8	\$0.2	\$0.2	\$0.2
Sub-Total DME (Including Govt. FTE):	\$10.5	\$4.4	\$4.3	\$3.6
O & M Costs:	\$0.8	\$3.5	\$3.4	\$4.5
O & M Govt. FTEs:	\$0.0	\$0.0	\$0.0	\$0.0
Sub-Total O & M Costs (Including Govt. FTE):	\$0.8	\$3.5	\$3.4	\$4.5
Total Cost (Including Govt. FTE):	\$11.3	\$7.9	\$7.7	\$8.1
Total Govt. FTE costs:	\$0.8	\$0.2	\$0.2	\$0.2
# of FTE rep by costs:	6	2	2	2
Total change from prior year final President's Budget (\$)		\$0.0	\$0.0	
Total change from prior year final President's Budget (%)		0.00%	0.00%	

2. If the funding levels have changed from the FY 2012 President's Budget request for PY or CY, briefly explain those changes:

no change

Section D: Acquisition/Contract Strategy (All Capital Assets)

Table I.D.1 Contracts and Acquisition Strategy

Contract Type	EVM Required	Contracting Agency ID	Procurement Instrument Identifier (PIID)	Indefinite Delivery Vehicle (IDV) Reference ID	IDV Agency ID	Solicitation ID	Ultimate Contract Value (\$M)	Type	PBSA ?	Effective Date	Actual or Expected End Date
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Awarded

[EPW11019](#)

Awarded

6800

[EPG12S00002](#)

263010054

7529

2. If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Exhibit 300B: Performance Measurement Report

Section A: General Information

Date of Last Change to Activities: 2012-08-28

Section B: Project Execution Data

Table II.B.1 Projects

Project ID	Project Name	Project Description	Project Start Date	Project Completion Date	Project Lifecycle Cost (\$M)
13015-A	SEMS-Support	Project Management & Content Architecture.			
13015-B	NCC Support (IT Infrastructure)	Provide & Support IT Infrastructure.			
13015-C	SEMS (DME)	Provide Systems Development & Integration.			

Activity Summary

Roll-up of Information Provided in Lowest Level Child Activities

Project ID	Name	Total Cost of Project Activities (\$M)	End Point Schedule Variance (in days)	End Point Schedule Variance (%)	Cost Variance (\$M)	Cost Variance (%)	Total Planned Cost (\$M)	Count of Activities
13015-A	SEMS-Support							
13015-B	NCC Support (IT Infrastructure)							
13015-C	SEMS (DME)							

Key Deliverables

Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
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Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
13015-A	Release 3 Baseline Requirements	Develop Requirements for Response Actions Phase 1	2011-11-15	2011-11-15	2011-11-15	45	0	0.00%
13015-C	Release 3 Baseline Requirements	Develop Requirements for Response Actions Phase 1	2012-01-31	2012-01-31	2012-01-31	116	0	0.00%
13015-C	Design Release 3 Response Actions Phase 1	Design Solution for Response Actions Phase 1	2012-01-31	2012-01-31	2012-01-31	116	0	0.00%
13015-C	Develop Release 3 Response Actions Phase 1	Develop Solution for Response Actions Phase 1	2012-01-31	2012-01-31	2012-01-31	116	0	0.00%
13015-C	Test Release 3 Response Actions Phase 1	Test Solution for Response Actions Phase 1	2012-01-31	2012-01-31	2012-01-31	116	0	0.00%
13015-A	Release 4 Baseline Requirements	Develop Requirements for Response Actions Phase 2 & Financial & Resource Management	2012-03-15	2012-03-15	2012-03-15	166	0	0.00%
13015-A	Provide Content Architecture Plans, Draft, FY 12	Provide Draft Content Architecture & System Integration Plans, FY 12	2012-03-31	2012-03-31	2012-03-31	182	0	0.00%
13015-A	Provide Process Models & Document Templates, Draft, FY 12	Provide Draft Business Process Models, Document Templates, FY 12	2012-03-31	2012-03-31		182	-153	-84.07%
13015-C	Release 4 Baseline Requirements	Develop Requirements for Response Actions Phase 2 & Financial & Resource Management	2012-06-29	2012-06-29	2012-06-29	266	0	0.00%
13015-C	Design Release 4 Response Actions	Design Solution for Response Actions	2012-06-29	2012-06-29	2012-06-29	266	0	0.00%

Key Deliverables								
Project Name	Activity Name	Description	Planned Completion Date	Projected Completion Date	Actual Completion Date	Duration (in days)	Schedule Variance (in days)	Schedule Variance (%)
	Phase 2	Phase 2						
13015-C	Develop Release 4 Response Actions Phase 2	Develop Solution for Response Actions Phase 2	2012-06-29	2012-06-29	2012-06-29	266	0	0.00%
13015-C	Test Release 4 Response Actions Phase 2	Test Solution for Response Actions Phase 2	2012-06-29	2012-06-29	2012-06-29	266	0	0.00%
13015-A	Provide Process Models & Document Templates, Final, FY 12	Provide Final Business Process Models, Document Templates, FY 12	2012-09-30	2012-09-30		182	0	0.00%
13015-A	Release 5 Baseline Requirements	Develop Requirements for Post Construction	2012-09-30	2012-09-30		263	0	0.00%
13015-A	Provide Content Architecture Plans, Final, FY 12	Provide Final Content Architecture & System Integration Plans, FY 12	2012-09-30	2012-09-30		182	0	0.00%

Section C: Operational Data

Table II.C.1 Performance Metrics

Metric Description	Unit of Measure	FEA Performance Measurement Category Mapping	Measurement Condition	Baseline	Target for PY	Actual for PY	Target for CY	Reporting Frequency
Percentage of targeted stakeholder groups involved in requirements effort (FY 11 measurement)	Percentage of targeted stakeholder groups	Customer Results - Service Quality	Over target	1.000000	75.000000	75.000000	85.000000	Quarterly
Number of descriptions of SEMs system releases with defined scope (Note: Scope has now changed from "periodic O&M releases" to "major releases")	Number of descriptions of SEMs system releases	Mission and Business Results - Services for Citizens	Over target	0.000000	10.000000	10.000000	4.000000	Semi-Annual
Percentage of SEMs server uptime	Percentage	Technology - Reliability and Availability	Over target	99.000000	99.000000	99.000000	99.000000	Monthly
Number of SEMs business process templates completed for SEMs-supported business processes, e.g., site clean up.	Number	Process and Activities - Productivity	Over target	0.000000	0.000000	0.000000	5.000000	Quarterly
User assessment of system performance (Note: new metric, no data for PY available)	Numerical Rating (1 low / 5 high)	Customer Results - Service Quality	Over target	3.000000	4.000000	3.000000	4.000000	Quarterly
User assessment of SEMs searching capability (Note: new metric, no data for PY available)	Numerical Rating (1 low / 5 high)	Technology - Efficiency	Over target	3.000000	4.000000	3.000000	4.000000	Quarterly